

APPENDIX G. TEST RESULTS OF CONDUCTED TEST

– LTE Band 13

1.1 CONDUCTED POWER & EFFECTIVE RADIATED POWER

1.1.1 Test Result

Band	Max Conducted Power (dBm)	ERP/EIRP (dBm)	Limit (dBm)	Verdict
Band13	24.28	16.13	34.77	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)
Band13	5MHz	QPSK	23205	1RB#0	23.69
Band13	5MHz	QPSK	23205	1RB#12	24.28
Band13	5MHz	QPSK	23205	1RB#24	23.59
Band13	5MHz	QPSK	23205	12RB#0	22.85
Band13	5MHz	QPSK	23205	12RB#6	22.86
Band13	5MHz	QPSK	23205	12RB#13	22.75
Band13	5MHz	QPSK	23205	25RB#0	22.80
Band13	5MHz	QPSK	23230	1RB#0	23.88
Band13	5MHz	QPSK	23230	1RB#12	23.77
Band13	5MHz	QPSK	23230	1RB#24	23.21
Band13	5MHz	QPSK	23230	12RB#0	22.77
Band13	5MHz	QPSK	23230	12RB#6	22.85
Band13	5MHz	QPSK	23230	12RB#13	22.75
Band13	5MHz	QPSK	23230	25RB#0	22.78
Band13	5MHz	QPSK	23255	1RB#0	23.34
Band13	5MHz	QPSK	23255	1RB#12	23.95
Band13	5MHz	QPSK	23255	1RB#24	23.98
Band13	5MHz	QPSK	23255	12RB#0	22.81
Band13	5MHz	QPSK	23255	12RB#6	22.90
Band13	5MHz	QPSK	23255	12RB#13	22.93
Band13	5MHz	QPSK	23255	25RB#0	22.92
Band13	5MHz	16QAM	23205	1RB#0	22.57
Band13	5MHz	16QAM	23205	1RB#12	22.71
Band13	5MHz	16QAM	23205	1RB#24	22.73
Band13	5MHz	16QAM	23205	12RB#0	21.93
Band13	5MHz	16QAM	23205	12RB#6	21.82

Band13	5MHz	16QAM	23205	12RB#13	21.88
Band13	5MHz	16QAM	23205	25RB#0	22.02
Band13	5MHz	16QAM	23230	1RB#0	23.04
Band13	5MHz	16QAM	23230	1RB#12	22.56
Band13	5MHz	16QAM	23230	1RB#24	22.56
Band13	5MHz	16QAM	23230	12RB#0	21.83
Band13	5MHz	16QAM	23230	12RB#6	21.92
Band13	5MHz	16QAM	23230	12RB#13	21.90
Band13	5MHz	16QAM	23230	25RB#0	22.04
Band13	5MHz	16QAM	23255	1RB#0	22.58
Band13	5MHz	16QAM	23255	1RB#12	22.78
Band13	5MHz	16QAM	23255	1RB#24	22.63
Band13	5MHz	16QAM	23255	12RB#0	21.85
Band13	5MHz	16QAM	23255	12RB#6	21.86
Band13	5MHz	16QAM	23255	12RB#13	21.82
Band13	5MHz	16QAM	23255	25RB#0	22.00
Band13	5MHz	64QAM	23205	1RB#0	22.46
Band13	5MHz	64QAM	23205	1RB#12	22.67
Band13	5MHz	64QAM	23205	1RB#24	22.64
Band13	5MHz	64QAM	23205	12RB#0	21.69
Band13	5MHz	64QAM	23205	12RB#6	21.81
Band13	5MHz	64QAM	23205	12RB#13	21.59
Band13	5MHz	64QAM	23205	25RB#0	22.02
Band13	5MHz	64QAM	23230	1RB#0	22.96
Band13	5MHz	64QAM	23230	1RB#12	22.70
Band13	5MHz	64QAM	23230	1RB#24	22.56
Band13	5MHz	64QAM	23230	12RB#0	21.62
Band13	5MHz	64QAM	23230	12RB#6	21.91
Band13	5MHz	64QAM	23230	12RB#13	21.94
Band13	5MHz	64QAM	23230	25RB#0	21.98
Band13	5MHz	64QAM	23255	1RB#0	22.40
Band13	5MHz	64QAM	23255	1RB#12	22.35
Band13	5MHz	64QAM	23255	1RB#24	22.73
Band13	5MHz	64QAM	23255	12RB#0	21.73
Band13	5MHz	64QAM	23255	12RB#6	21.88

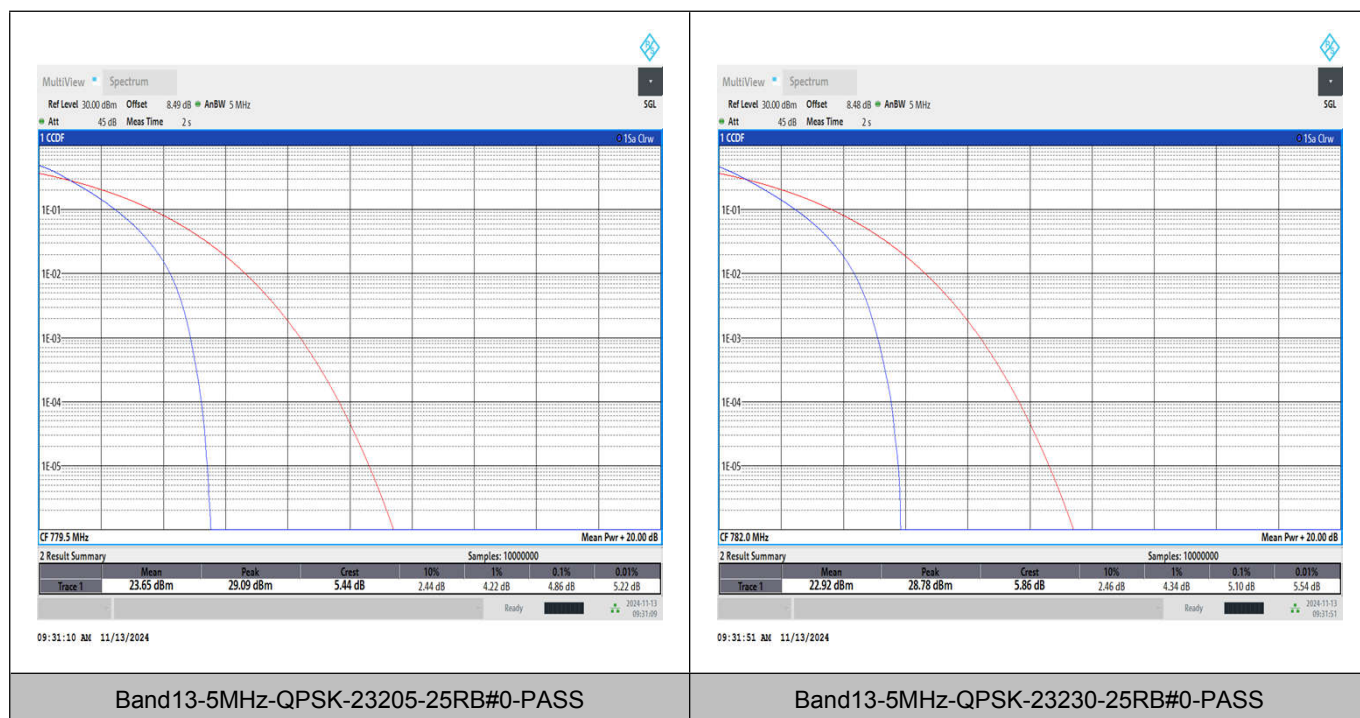
Band13	5MHz	64QAM	23255	12RB#13	21.78
Band13	5MHz	64QAM	23255	25RB#0	22.11
Band13	10MHz	QPSK	23230	1RB#0	23.97
Band13	10MHz	QPSK	23230	1RB#24	23.93
Band13	10MHz	QPSK	23230	1RB#49	23.96
Band13	10MHz	QPSK	23230	25RB#0	22.83
Band13	10MHz	QPSK	23230	25RB#12	22.77
Band13	10MHz	QPSK	23230	25RB#25	22.83
Band13	10MHz	QPSK	23230	50RB#0	22.76
Band13	10MHz	16QAM	23230	1RB#0	22.83
Band13	10MHz	16QAM	23230	1RB#24	22.62
Band13	10MHz	16QAM	23230	1RB#49	22.72
Band13	10MHz	16QAM	23230	25RB#0	22.11
Band13	10MHz	16QAM	23230	25RB#12	22.08
Band13	10MHz	16QAM	23230	25RB#25	21.85
Band13	10MHz	16QAM	23230	50RB#0	21.82
Band13	10MHz	64QAM	23230	1RB#0	21.89
Band13	10MHz	64QAM	23230	1RB#24	21.95
Band13	10MHz	64QAM	23230	1RB#49	21.67
Band13	10MHz	64QAM	23230	25RB#0	21.06
Band13	10MHz	64QAM	23230	25RB#12	20.75
Band13	10MHz	64QAM	23230	25RB#25	21.00
Band13	10MHz	64QAM	23230	50RB#0	20.87

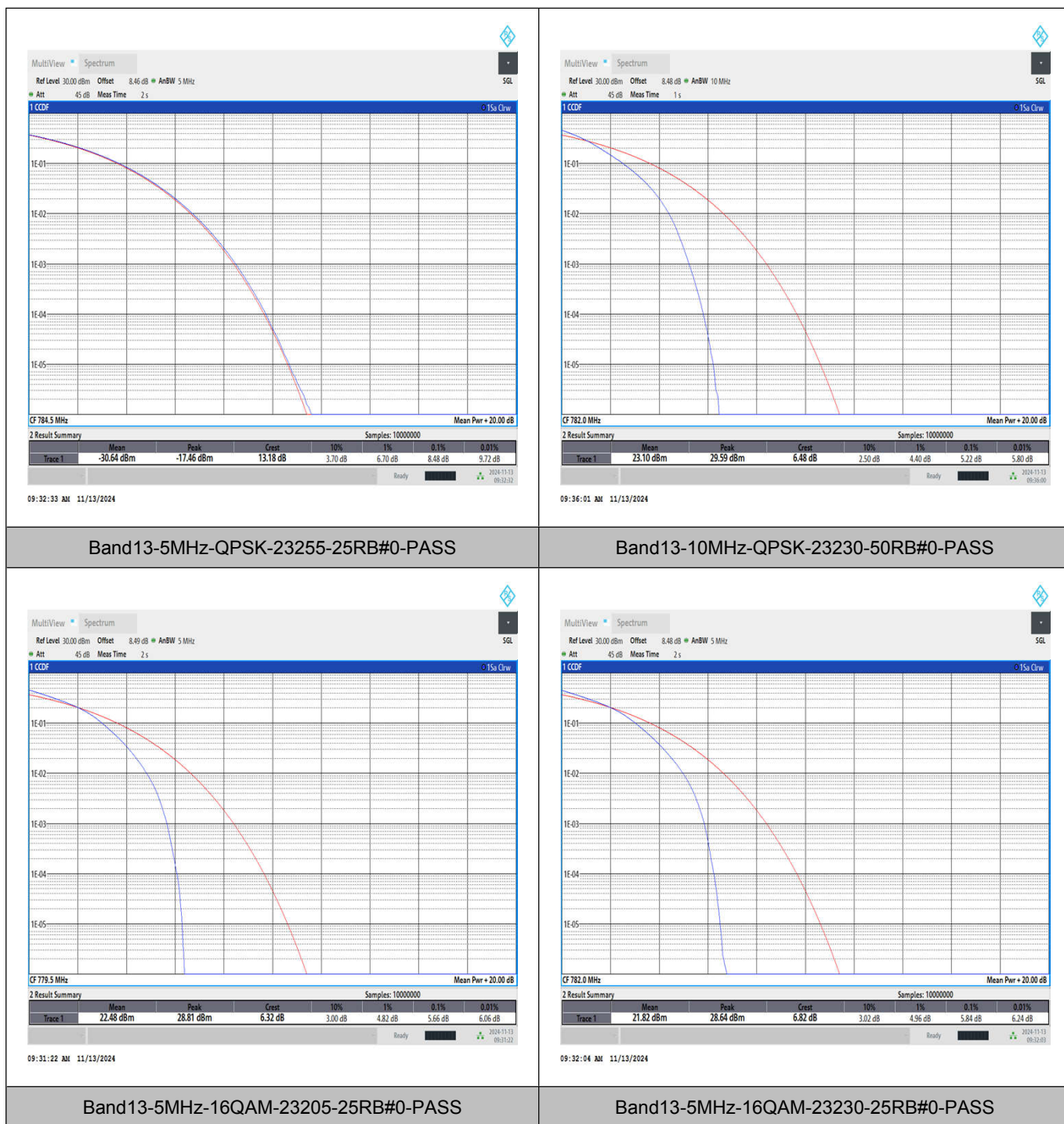
1.2 Peak-to-Average Ratio

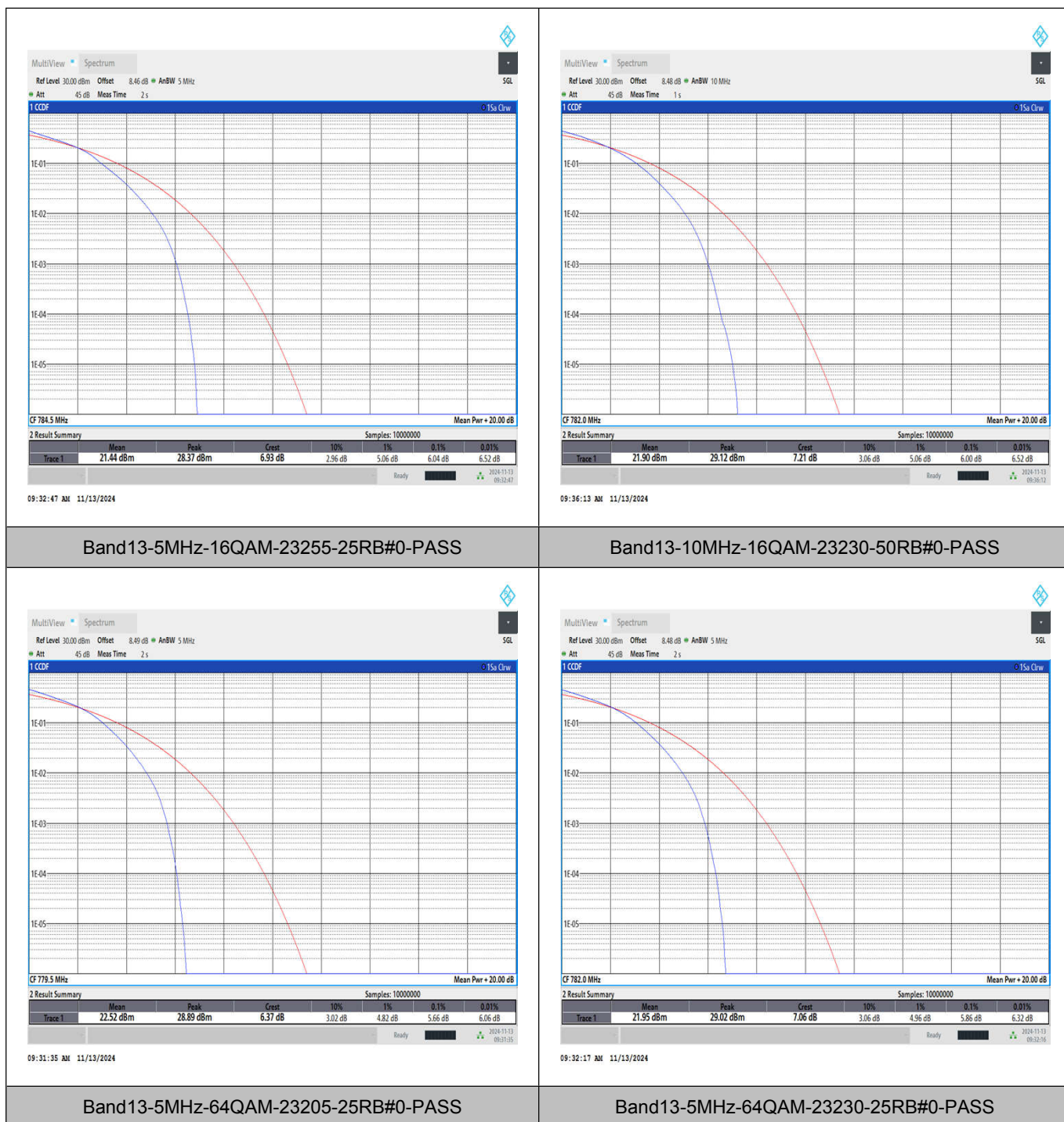
1.2.1 Test Result

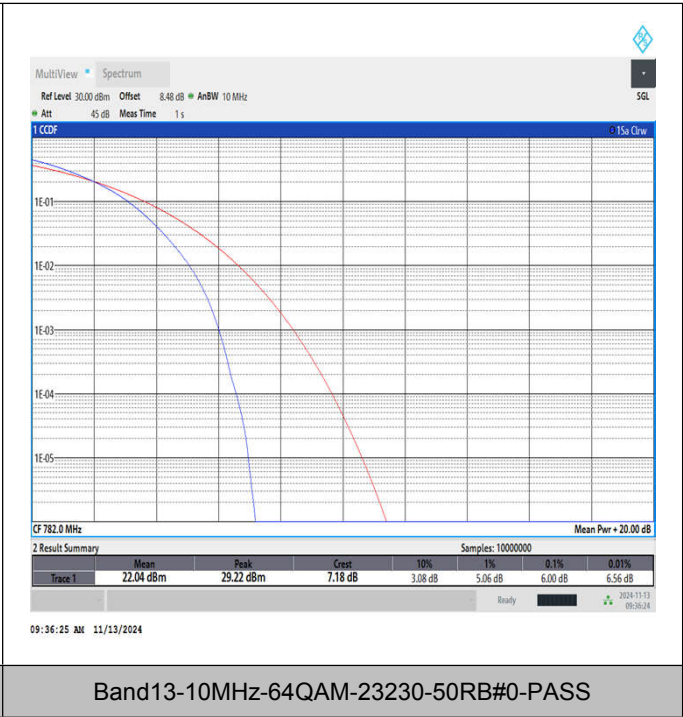
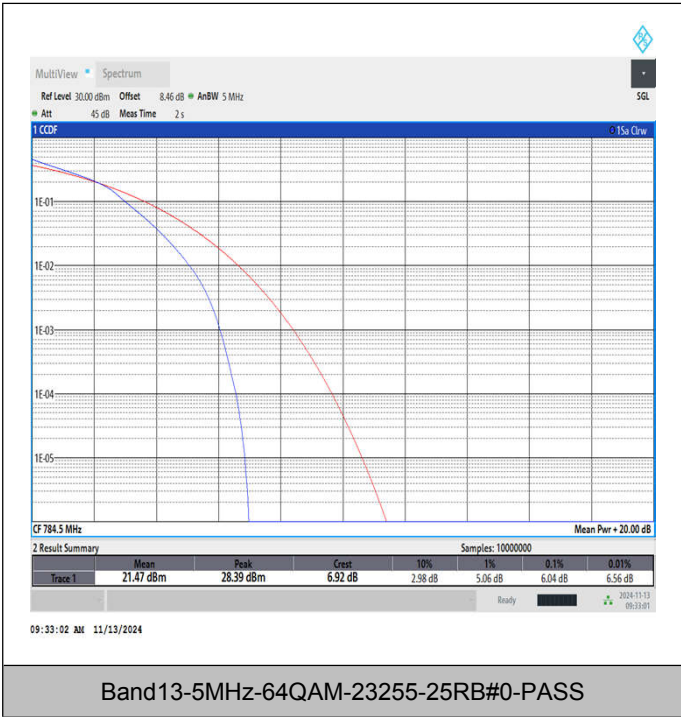
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.86	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.10	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	8.48	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.22	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.66	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.84	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.04	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.00	13	PASS
Band13	5MHz	64QAM	23205	25RB#0	5.66	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	5.86	13	PASS
Band13	5MHz	64QAM	23255	25RB#0	6.04	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.00	13	PASS

1.2.2 Test Graphs







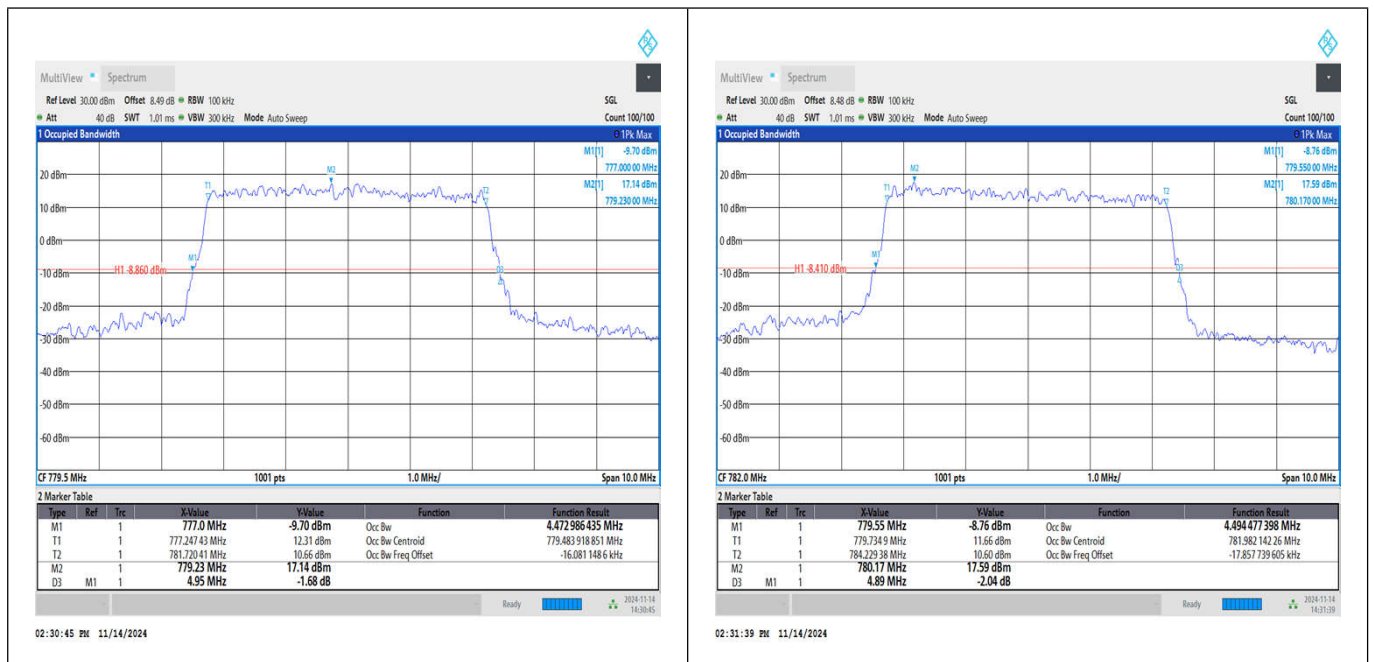


1.3 OCCUPIED BANDWIDTH

1.3.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.473	4.95	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.494	4.89	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.48	4.91	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.469	4.93	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.482	5.04	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.497	4.99	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.464	4.98	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.486	4.93	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.49	4.95	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.957	9.67	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.97	9.67	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.921	9.50	PASS

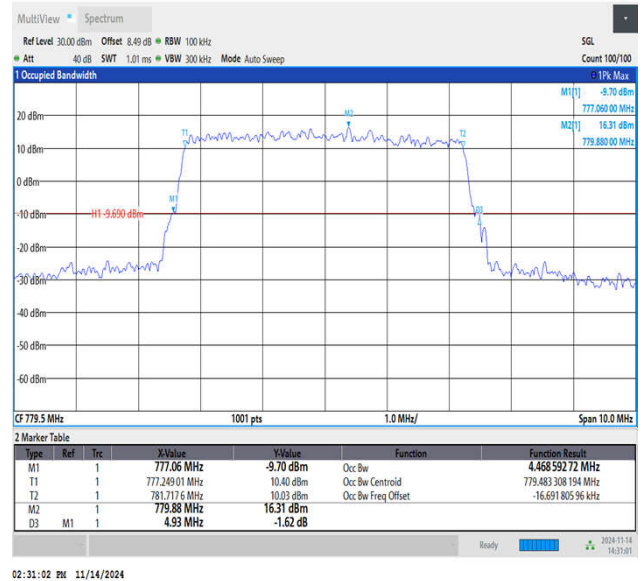
1.3.2 Test Graphs



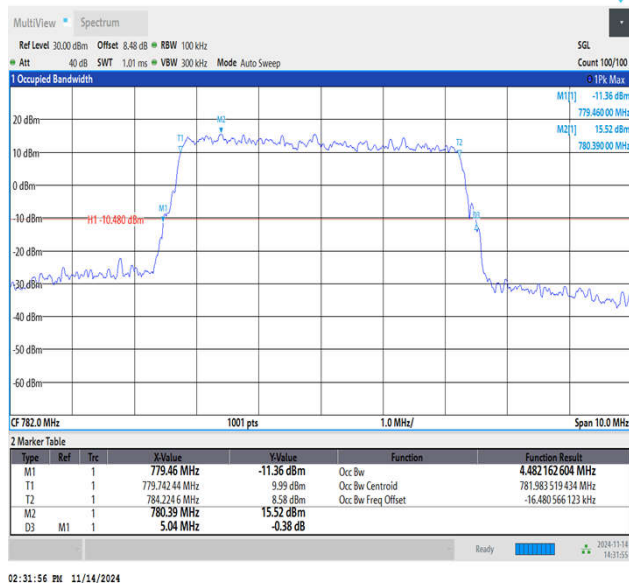
Band13-5MHz-QPSK-23205-25RB#0-PASS



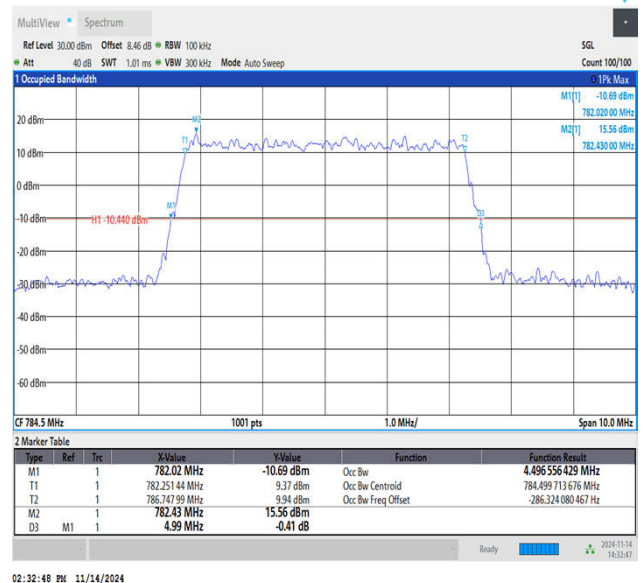
Band13-5MHz-QPSK-23230-25RB#0-PASS



Band13-5MHz-QPSK-23255-25RB#0-PASS

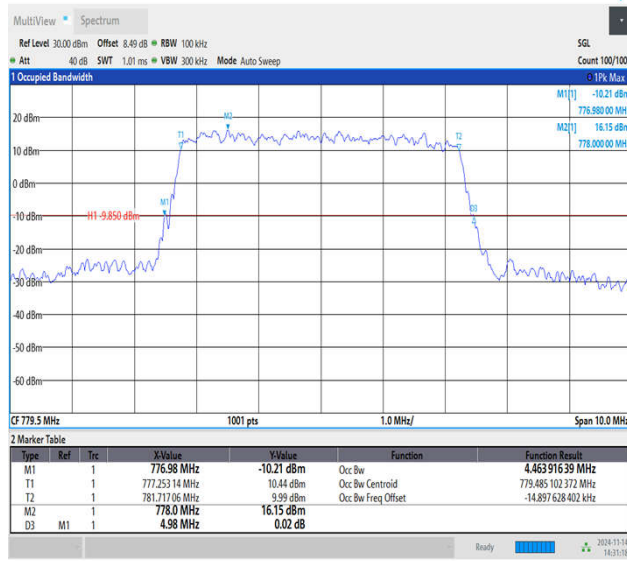


Band13-5MHz-16QAM-23205-25RB#0-PASS



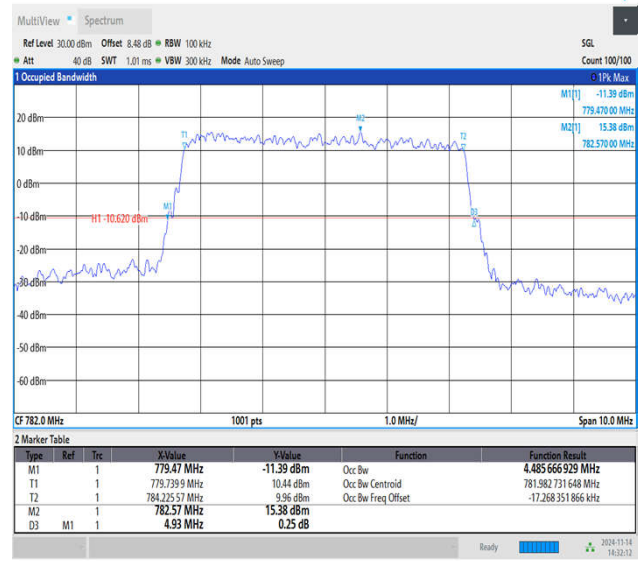
Band13-5MHz-16QAM-23230-25RB#0-PASS

Band13-5MHz-16QAM-23255-25RB#0-PASS



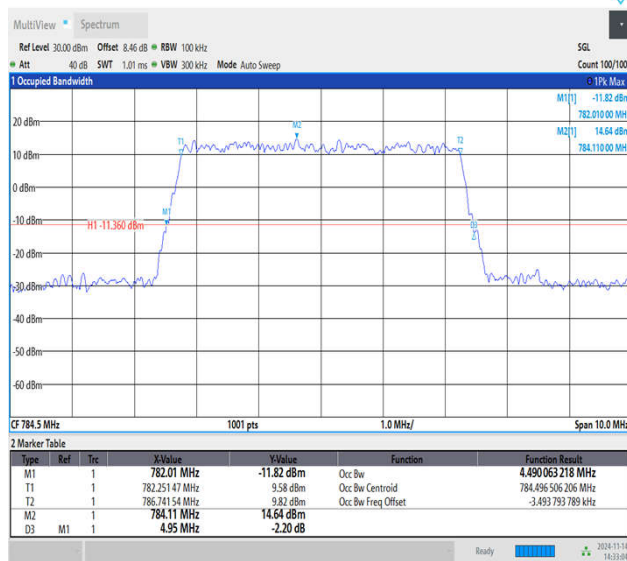
02:31:18 PM 11/14/2024

Band13-5MHz-64QAM-23205-25RB#0-PASS



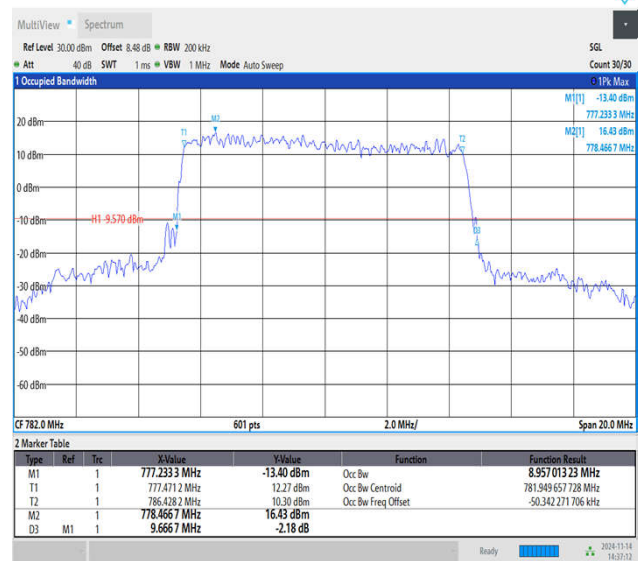
02:32:12 PM 11/14/2024

Band13-5MHz-64QAM-23230-25RB#0-PASS



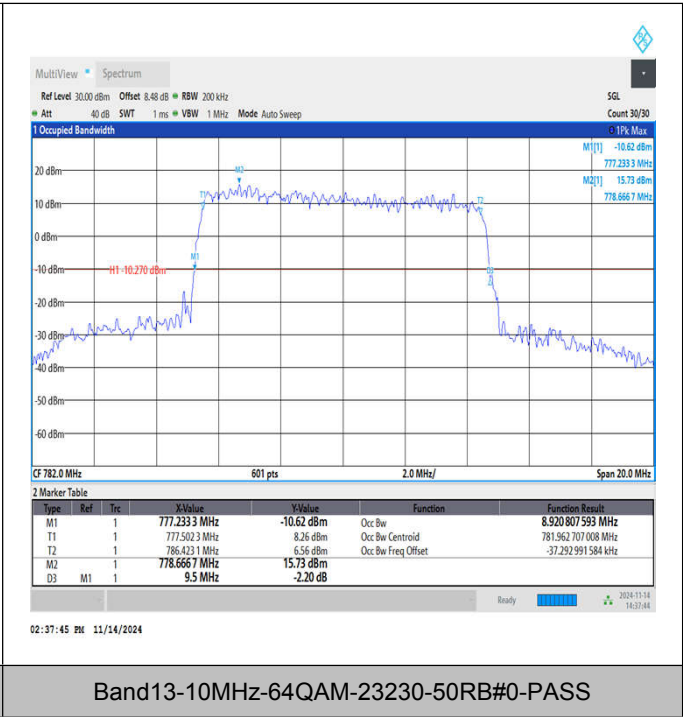
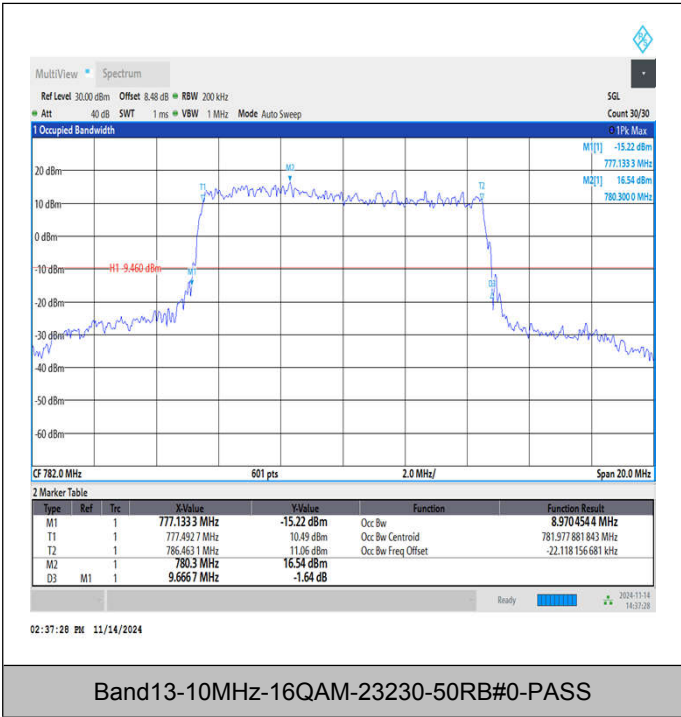
02:33:05 PM 11/14/2024

Band13-5MHz-64QAM-23255-25RB#0-PASS



02:37:12 PM 11/14/2024

Band13-10MHz-QPSK-23230-50RB#0-PASS

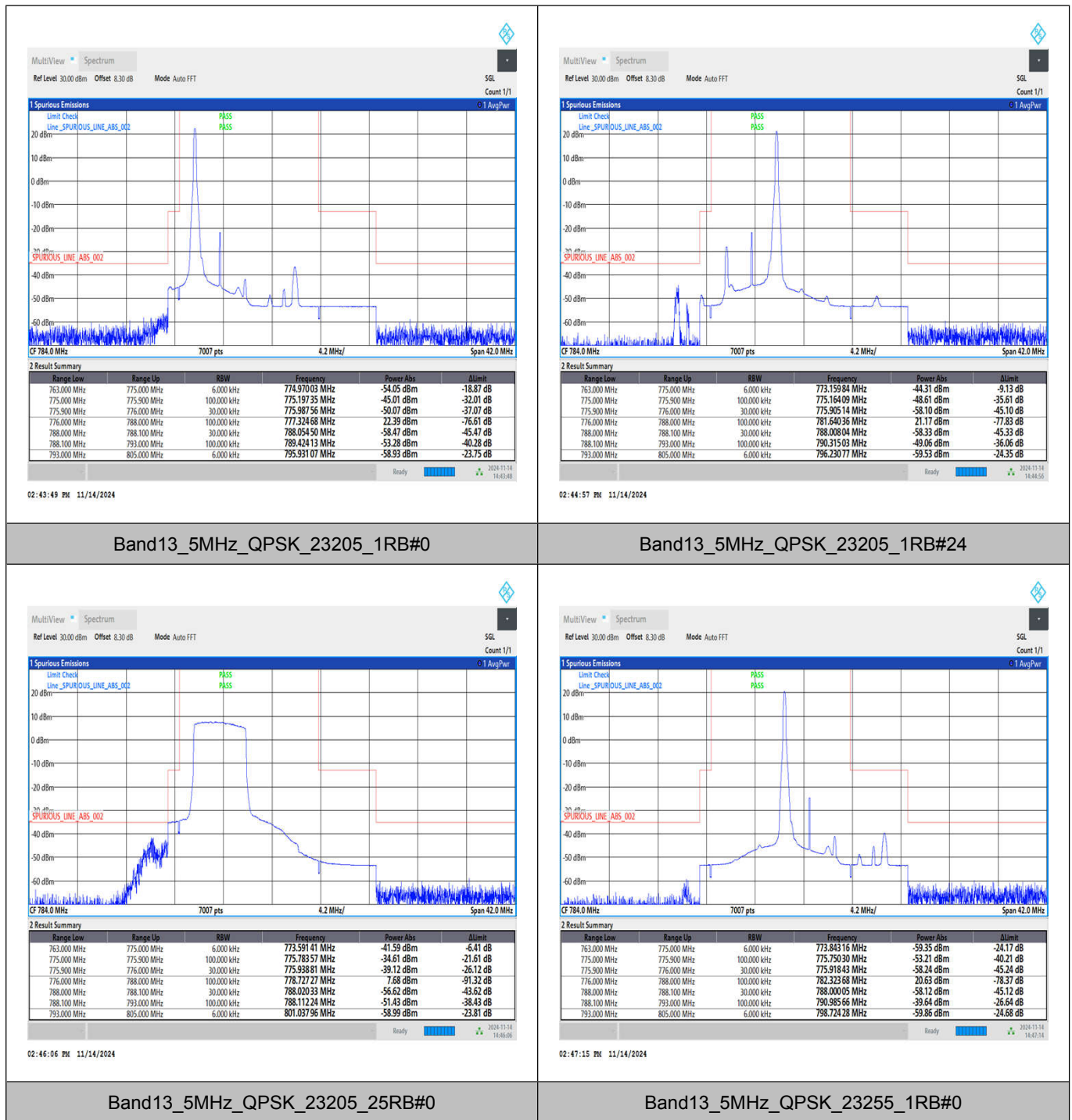


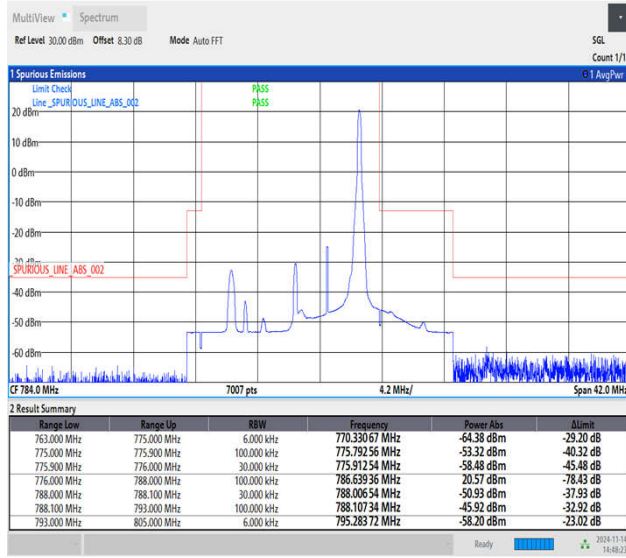
1.4 Band Edge

1.4.1 Test Result

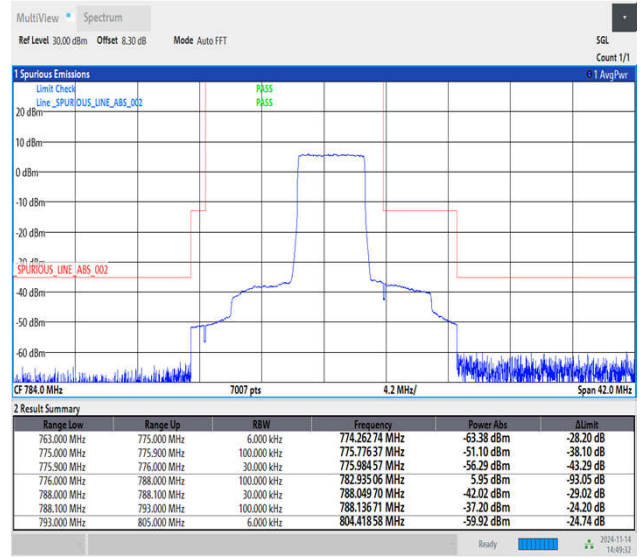
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-54.05	PASS
Band13	5MHz	QPSK	23205	1RB#24	-44.31	PASS
Band13	5MHz	QPSK	23205	25RB#0	-41.59	PASS
Band13	5MHz	QPSK	23255	1RB#0	-59.35	PASS
Band13	5MHz	QPSK	23255	1RB#24	-58.20	PASS
Band13	5MHz	QPSK	23255	25RB#0	-37.20	PASS
Band13	5MHz	16QAM	23205	1RB#0	-56.26	PASS
Band13	5MHz	16QAM	23205	1RB#24	-45.01	PASS
Band13	5MHz	16QAM	23205	25RB#0	-44.00	PASS
Band13	5MHz	16QAM	23255	1RB#0	-59.27	PASS
Band13	5MHz	16QAM	23255	1RB#24	-59.82	PASS
Band13	5MHz	16QAM	23255	25RB#0	-58.27	PASS
Band13	5MHz	64QAM	23205	1RB#0	-57.23	PASS
Band13	5MHz	64QAM	23205	1RB#24	-43.00	PASS
Band13	5MHz	64QAM	23205	25RB#0	-43.97	PASS
Band13	5MHz	64QAM	23255	1RB#0	-60.00	PASS
Band13	5MHz	64QAM	23255	1RB#24	-58.96	PASS
Band13	5MHz	64QAM	23255	25RB#0	-36.75	PASS
Band13	10MHz	QPSK	23230	1RB#0	-56.54	PASS
Band13	10MHz	QPSK	23230	1RB#49	-57.15	PASS
Band13	10MHz	QPSK	23230	50RB#0	-43.74	PASS
Band13	10MHz	16QAM	23230	1RB#0	-57.58	PASS
Band13	10MHz	16QAM	23230	1RB#49	-57.81	PASS
Band13	10MHz	16QAM	23230	50RB#0	-45.26	PASS
Band13	10MHz	64QAM	23230	1RB#0	-55.65	PASS
Band13	10MHz	64QAM	23230	1RB#49	-60.27	PASS
Band13	10MHz	64QAM	23230	50RB#0	-48.73	PASS

1.4.2 Test Graphs

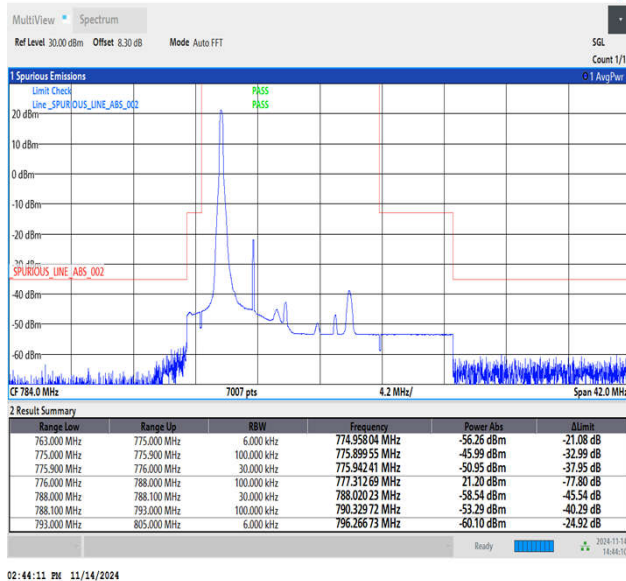




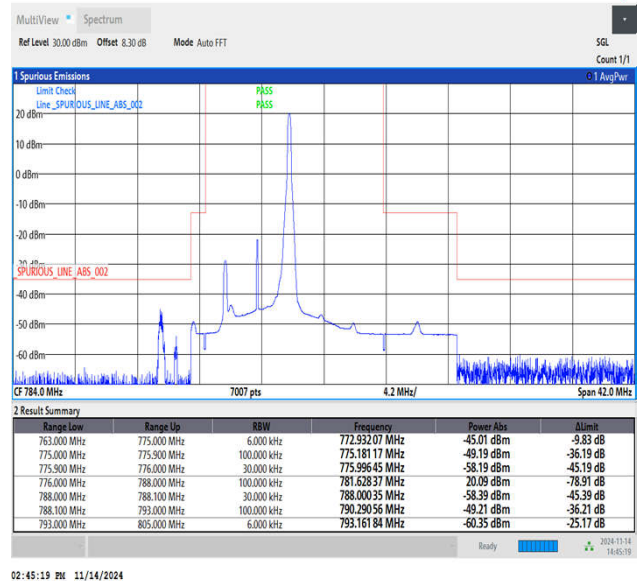
Band13_5MHz_QPSK_23255_1RB#24



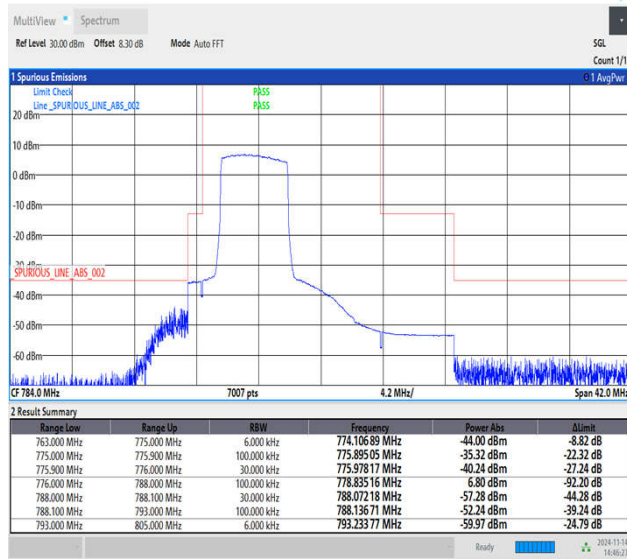
Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23205_1RB#0

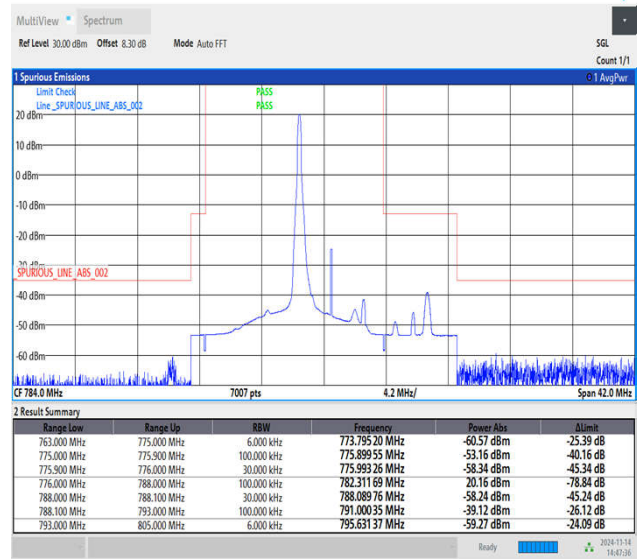


Band13_5MHz_16QAM_23205_1RB#24



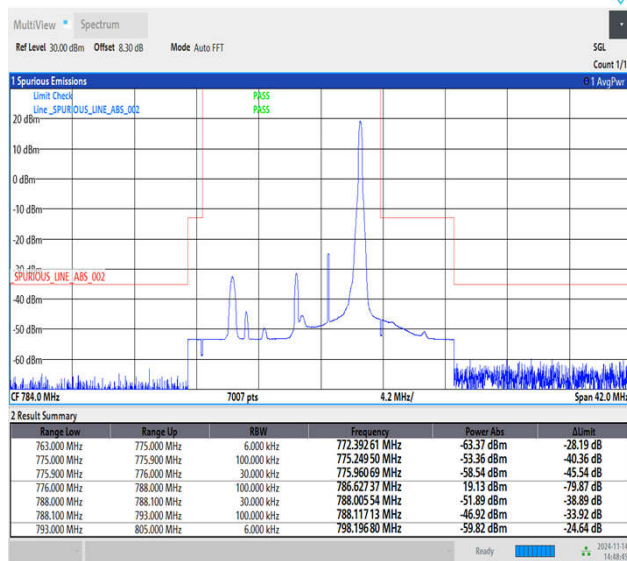
02:46:28 PM 11/14/2024

Band13_5MHz_16QAM_23205_25RB#0



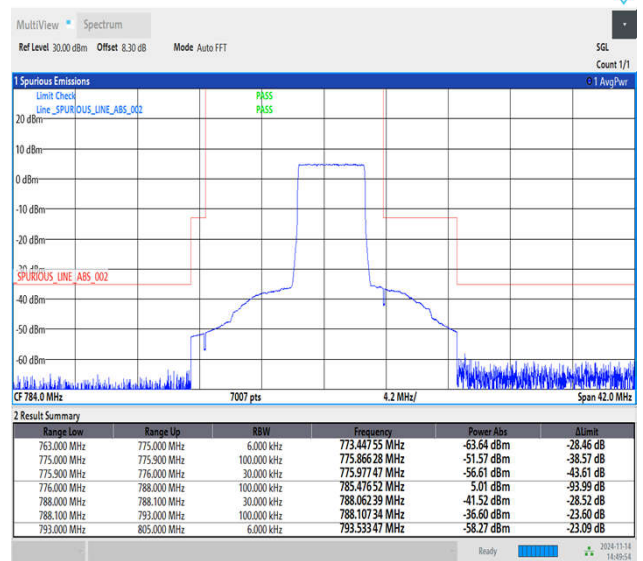
02:47:37 PM 11/14/2024

Band13_5MHz_16QAM_23255_1RB#0



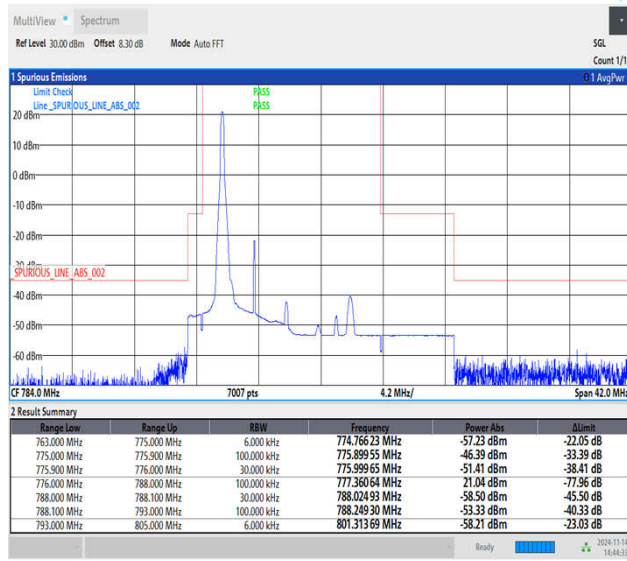
02:48:45 PM 11/14/2024

Band13_5MHz_16QAM_23255_1RB#24



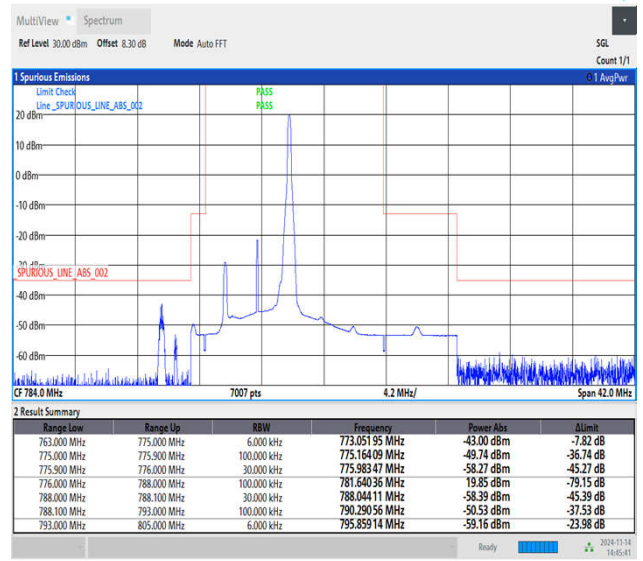
02:49:54 PM 11/14/2024

Band13_5MHz_16QAM_23255_25RB#0



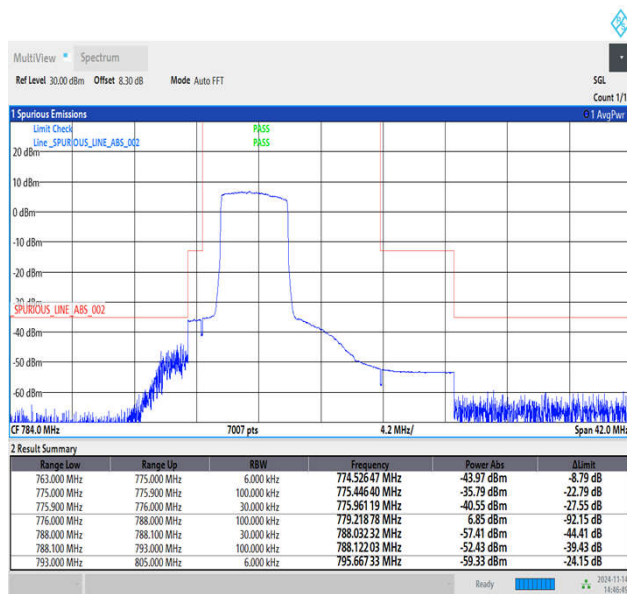
02:44:33 PM 11/14/2024

Band13_5MHz_64QAM_23205_1RB#0



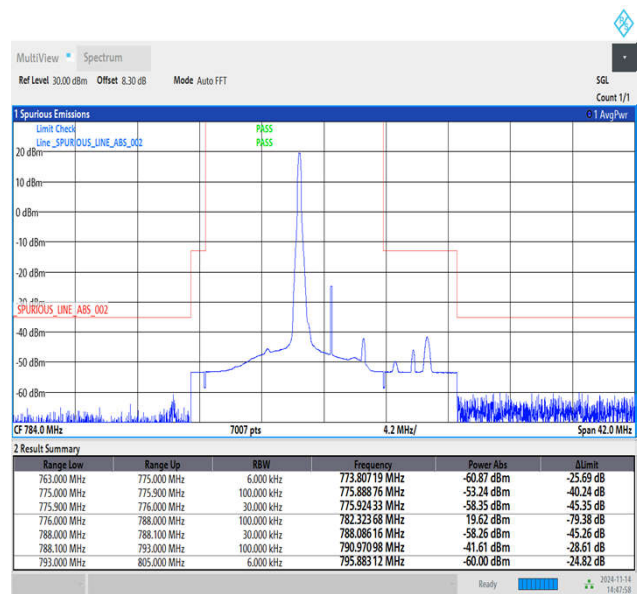
02:45:41 PM 11/14/2024

Band13_5MHz_64QAM_23205_1RB#24



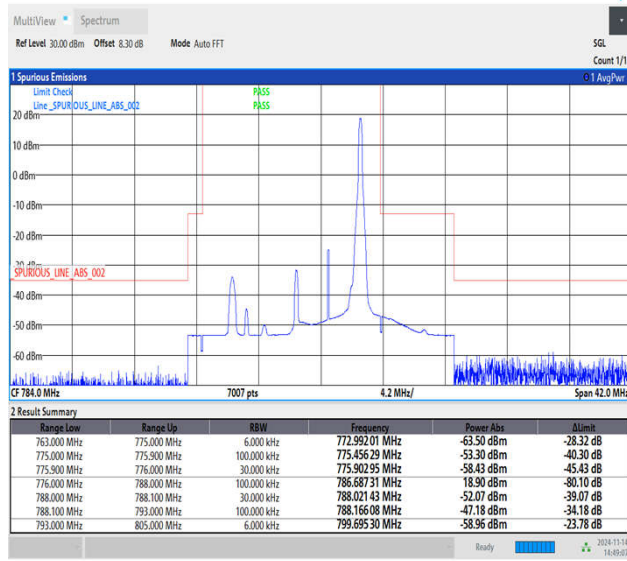
02:46:50 PM 11/14/2024

Band13_5MHz_64QAM_23205_25RB#0

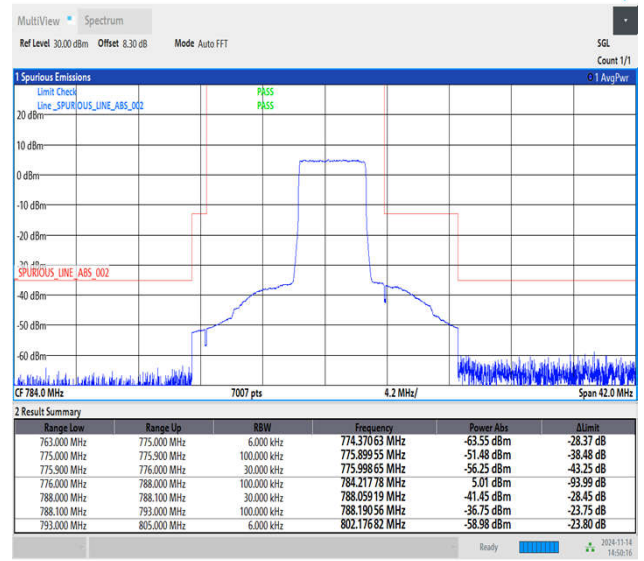


02:47:59 PM 11/14/2024

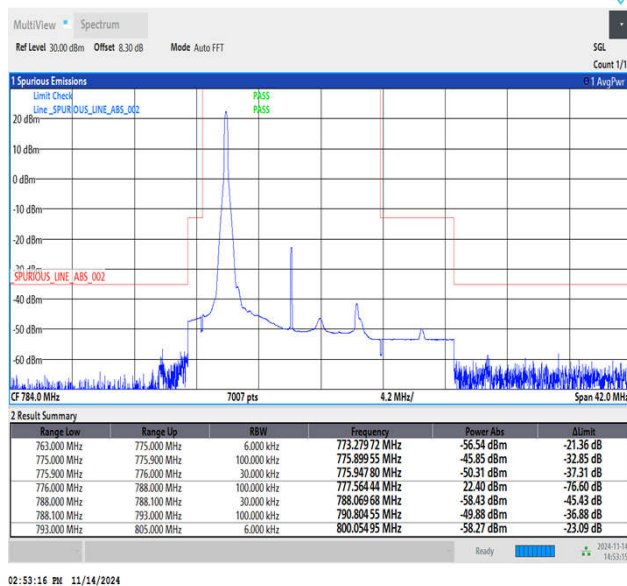
Band13_5MHz_64QAM_23255_1RB#0



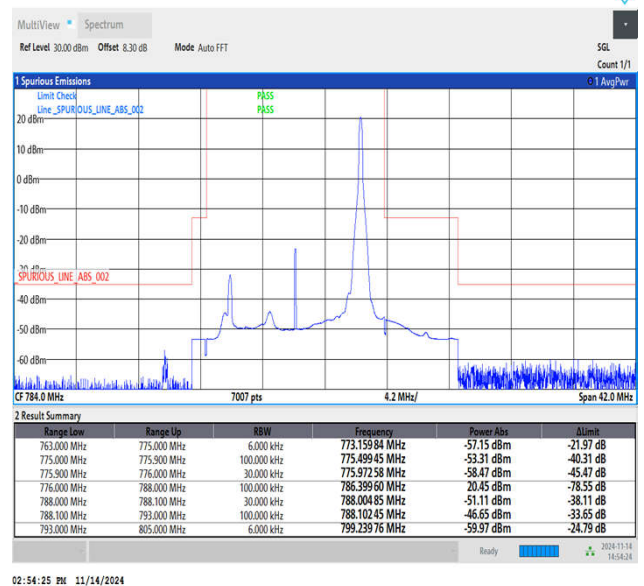
Band13_5MHz_64QAM_23255_1RB#24



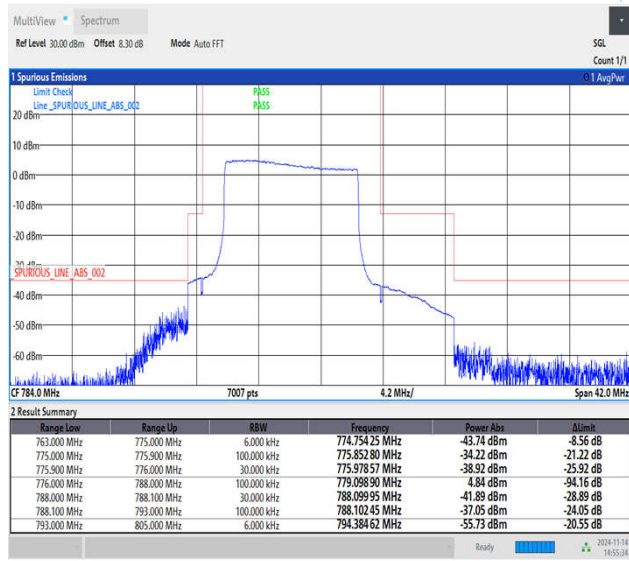
Band13_5MHz_64QAM_23255_25RB#0



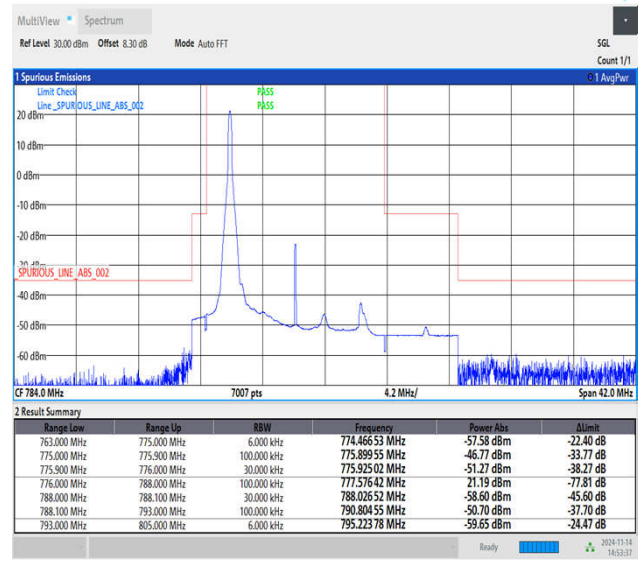
Band13_10MHz_QPSK_23230_1RB#0



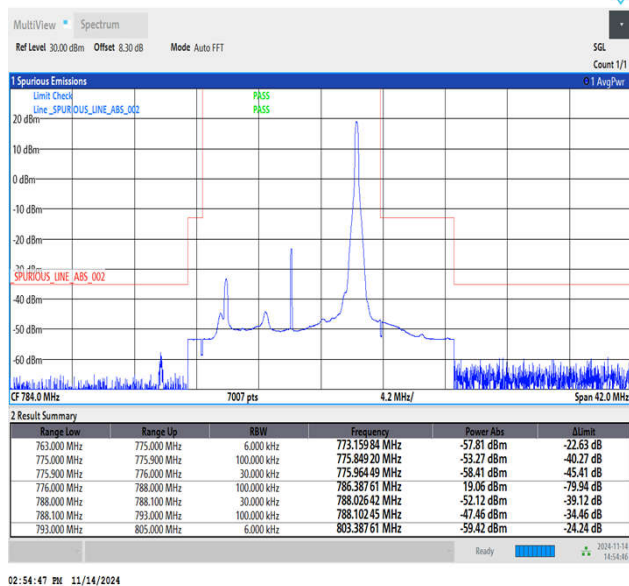
Band13_10MHz_QPSK_23230_1RB#49



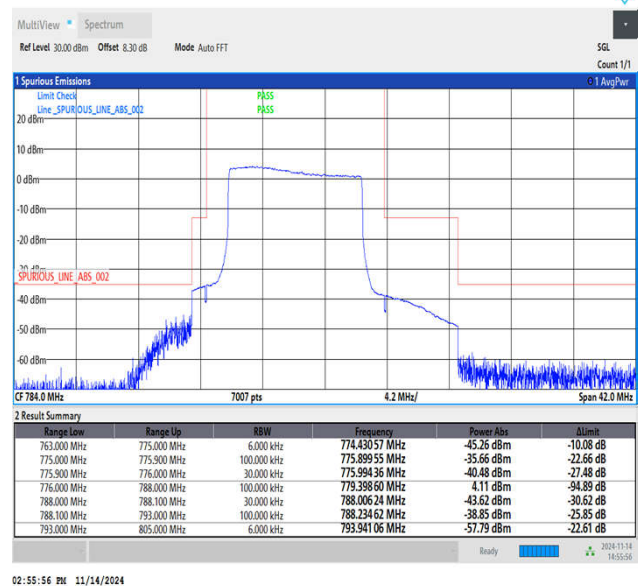
Band13_10MHz_QPSK_23230_50RB#0



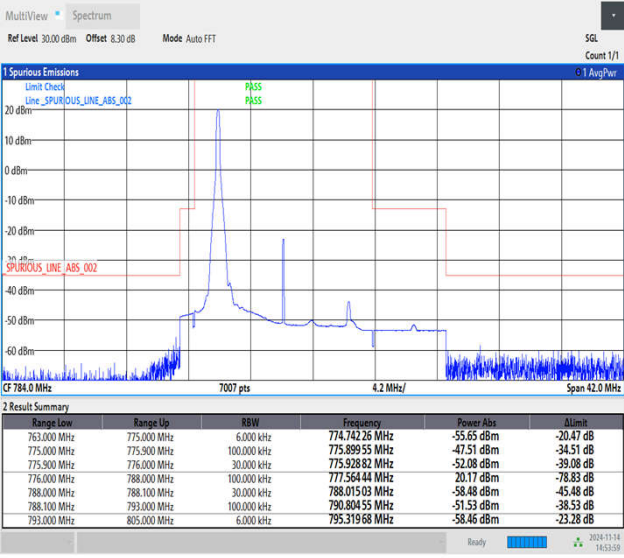
Band13_10MHz_16QAM_23230_1RB#0



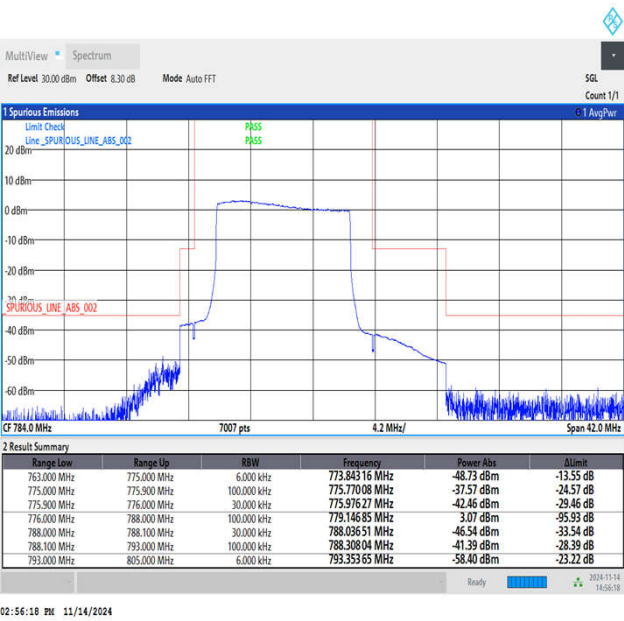
Band13_10MHz_16QAM_23230_1RB#49



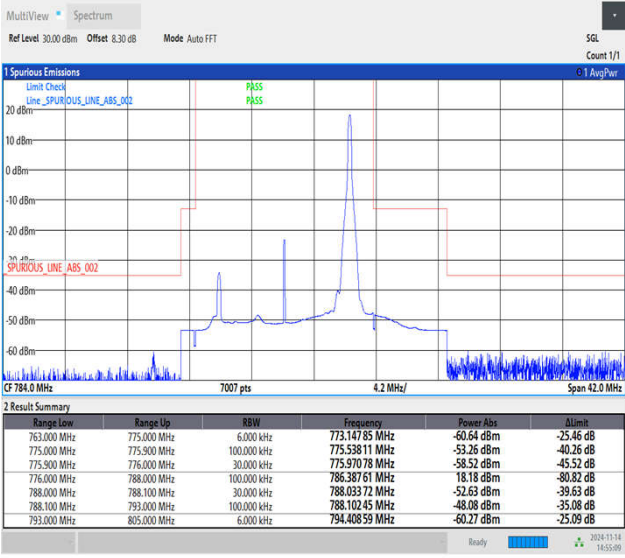
Band13_10MHz_16QAM_23230_50RB#0



Band13_10MHz_64QAM_23230_1RB#0



Band13_10MHz_64QAM_23230_50RB#0



Band13_10MHz_64QAM_23230_1RB#49

/

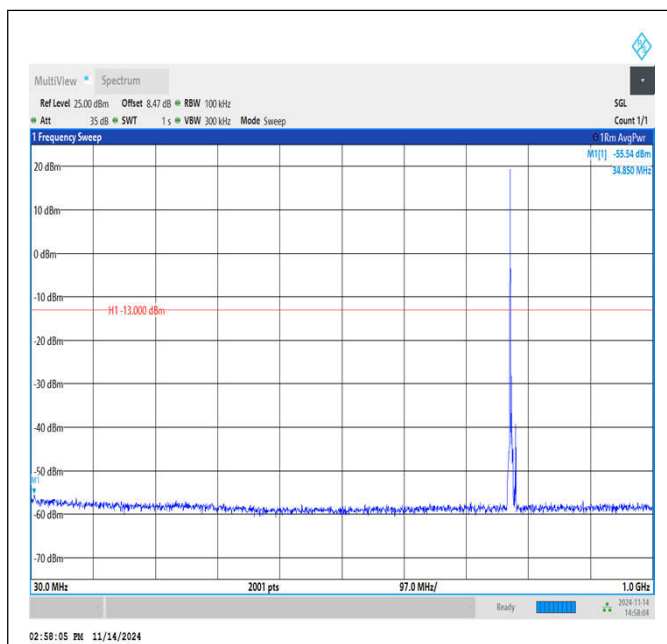
/

1.5 Conducted Spurious Emission

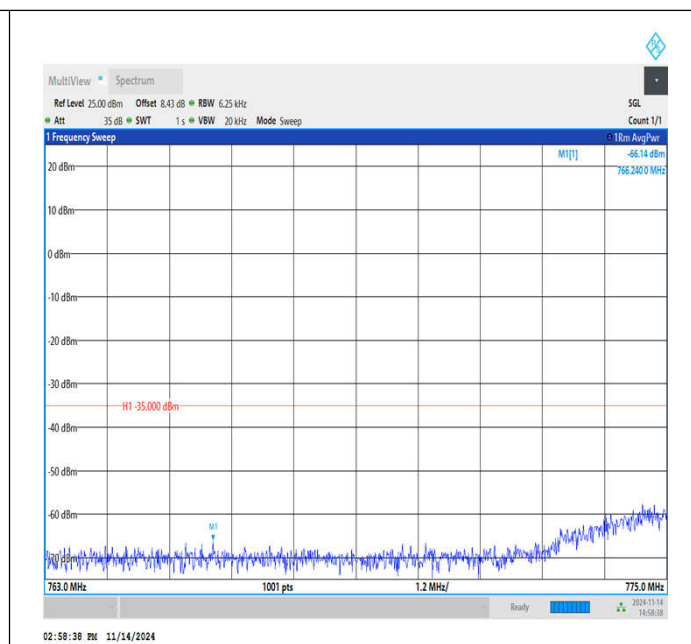
1.5.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-55.54	PASS
Band13	5MHz	QPSK	23205	1RB#0	763~775	-66.14	PASS
Band13	5MHz	QPSK	23205	1RB#0	793~805	-66.41	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-39.56	PASS
Band13	5MHz	QPSK	23205	1RB#0	1559~1610	-50.13	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-30.90	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-55.67	PASS
Band13	5MHz	QPSK	23230	1RB#0	763~775	-66.28	PASS
Band13	5MHz	QPSK	23230	1RB#0	793~805	-65.56	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-39.49	PASS
Band13	5MHz	QPSK	23230	1RB#0	1559~1610	-50.08	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-30.72	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-55.68	PASS
Band13	5MHz	QPSK	23255	1RB#0	763~775	-66.01	PASS
Band13	5MHz	QPSK	23255	1RB#0	793~805	-67.01	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-39.47	PASS
Band13	5MHz	QPSK	23255	1RB#0	1559~1610	-50.11	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-30.36	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-56.11	PASS
Band13	10MHz	QPSK	23230	1RB#0	763~775	0.00	PASS
Band13	10MHz	QPSK	23230	1RB#0	793~805	0.00	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-39.70	PASS
Band13	10MHz	QPSK	23230	1RB#0	1559~1610	-50.13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-30.21	PASS

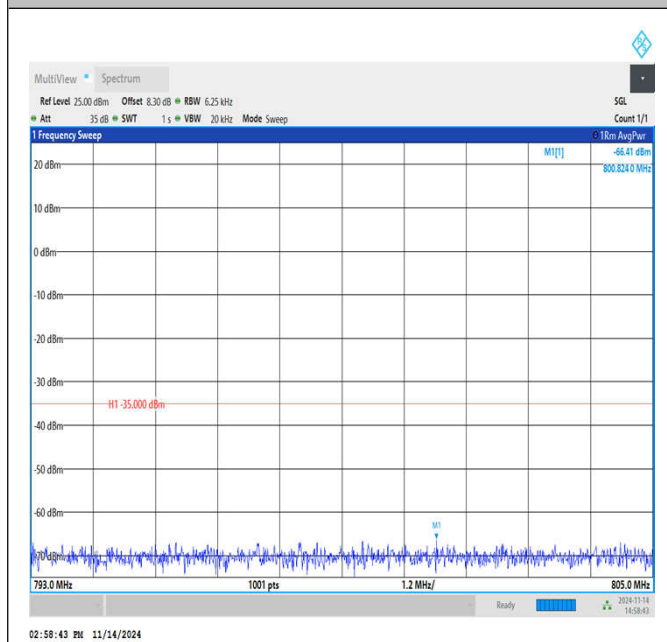
1.5.2 Test Graphs



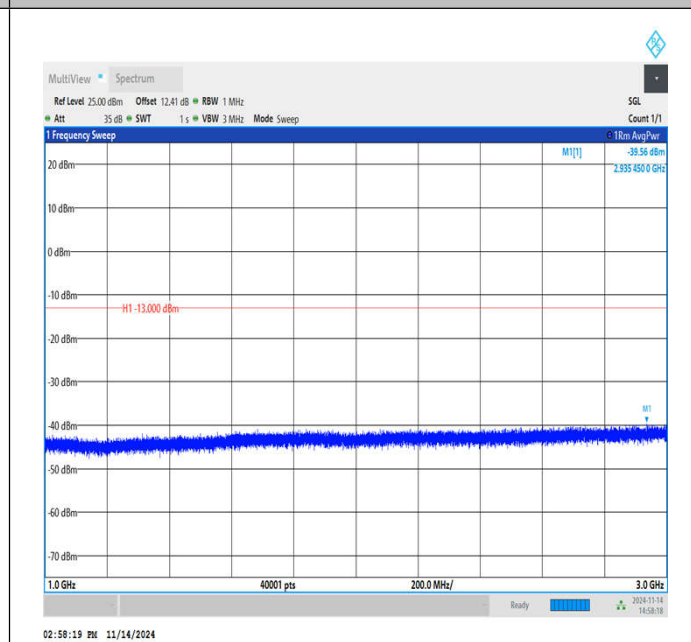
Band13_5MHz_QPSK_23205_1RB#0_30~1000_30~1000



Band13_5MHz_QPSK_23205_1RB#0_763~775_763~775

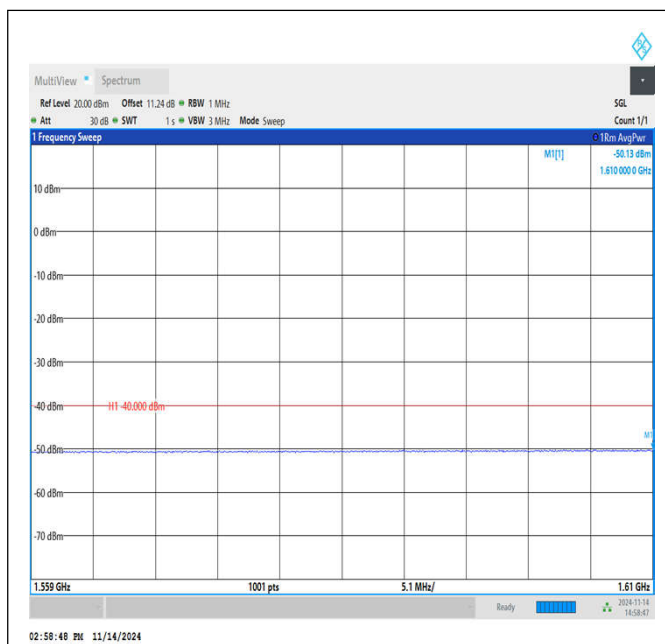


Band13_5MHz_QPSK_23205_1RB#0_793~805_793~805

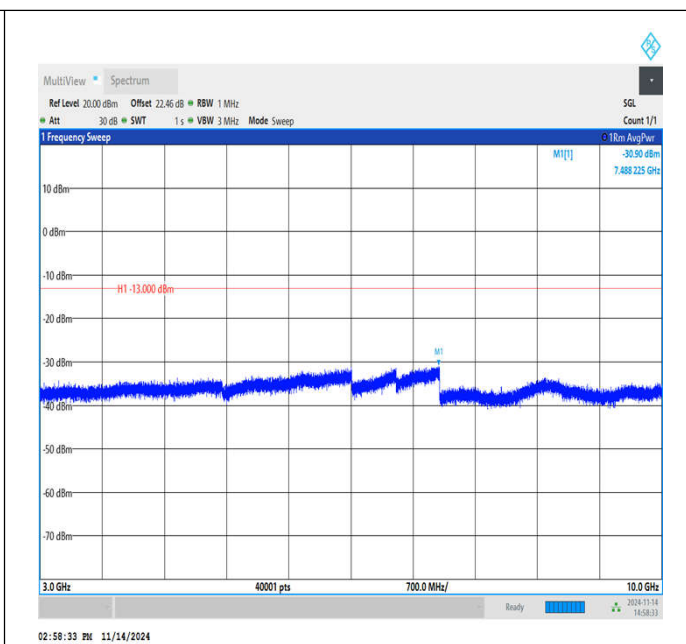


Band13_5MHz_QPSK_23205_1RB#0_1000~3000_1000~3000

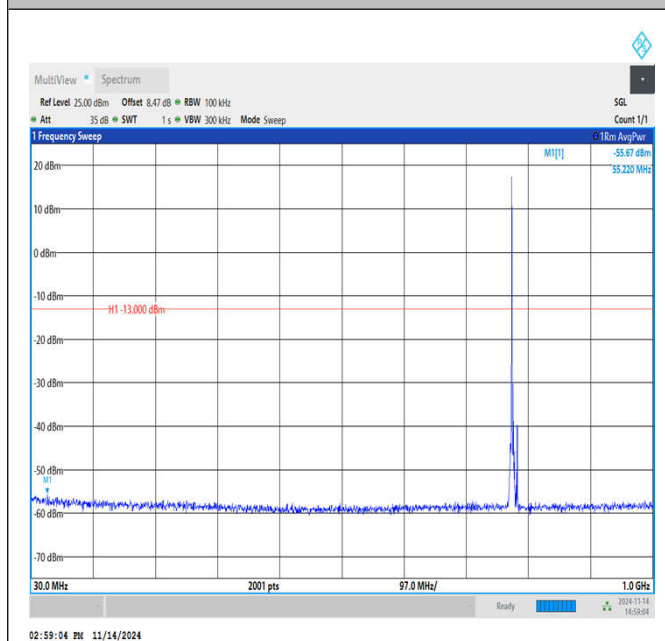
0



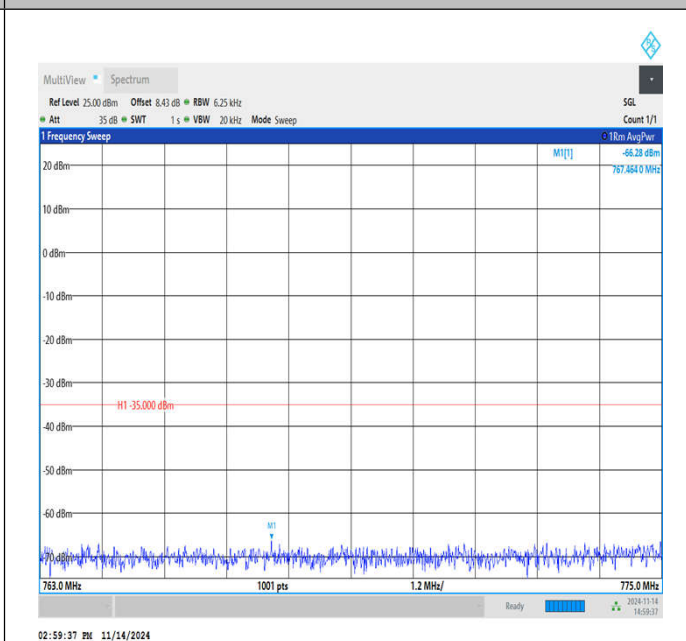
Band13_5MHz_QPSK_23205_1RB#0_1559~1610_1559~1610
610



Band13_5MHz_QPSK_23205_1RB#0_3000~10000_3000~10000
000



Band13_5MHz_QPSK_23230_1RB#0_30~1000_30~1000



Band13_5MHz_QPSK_23230_1RB#0_763~775_763~775

